

Project Description

This portion of the MD 132 from MD 462 to US 40 project involves rebuilding the existing Traffic Control Signal at the intersection of MD 132 and Parke Street in Harford County. MD 132 runs east/west.

Controller Operation

An existing eight-phase fully actuated, solid state digital NEMA controller with intersection monitor and harness, battery back-up, housed in an existing pole mounted cabinet are to be utilized at this location.

The intersection is to operate in a NEMA FOUR (4) phase fixed time mode. The MD 132 approaches shall operate concurrently. The Parke St. approaches shall also operate concurrently.

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS

MR. DAVID MALKOWSKI  
METROPOLITAN DISTRICT ENGINEER  
410-321-2810

MR. RANDALL SCOTT  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
410-321-2798

MR. GRANDON TOBERY  
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
410-321-2821

MR. DAVE RAMSEY  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
410-321-2761

MR. JOSEPH McMAHON  
ASSISTANT DISTRICT ENGINEER - UTILITIES  
410-321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.  
CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ROBERT SNYDER  
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS  
410-787-7630

MR. ED RODENHIZER  
TEAM LEADER SIGNAL OPERATIONS  
410-787-7650

MR. EUGENE BAILEY  
TEAM LEADER SIGN OPERATIONS  
410-787-7676

MR. DAVE SCHWARTZ  
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)  
410-787-7668

Equipment List

A. MATERIAL SUPPLIED BY THE STATE HIGHWAY ADMINISTRATION

CAT. CODE NO.	QUANTITY	DESCRIPTION
900000	16 SF	FLAT SHEET ALUM. SIGN BLUE OR GREEN
		D3-2 "W. Bel Air Ave" Var X 16" Dual Face Mast Arm Mnt. 2 EA.
		D3-2 "Rogers St" Var X 16" Dual Face Mast Arm Mnt. 2 EA.
900000	16 SF	FLAT SHEET ALUM. SIGN YELLOW, ORANGE & SILVER
		R10-11b "NO TURN ON RED" 24" X 24" 4 EA.

B. MATERIAL TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

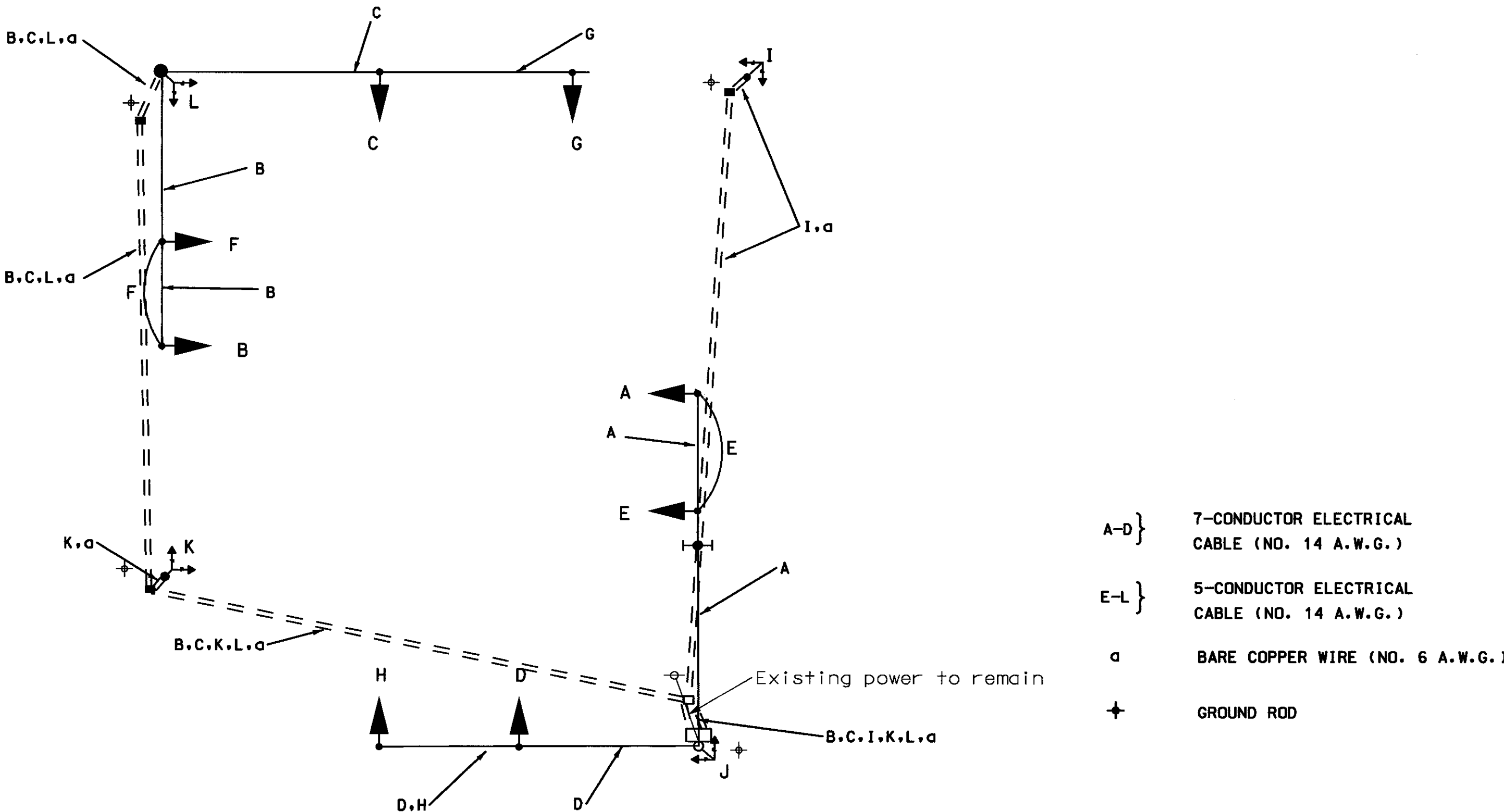
CAT. CODE NO.	QUANTITY	DESCRIPTION
120500	LS	MAINTENANCE OF TRAFFIC
203030	3 CY	TEST PIT EXCAVATION
500000	480 LF	FURNISH AND INSTALL 12 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
500000	84 LF	FURNISH AND INSTALL 24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
800000	15 LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
800000	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
800000	1 EA	FURNISH AND INSTALL MAST ARM POLE AND TWIN 50 FOOT/50 FOOT MAST ARMS
800000	24 EA	FURNISH AND INSTALL 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
801004	12 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
805115	120 LF	FURNISH AND INSTALL 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
811001	3 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	32 SF	INSTALL OVERHEAD SIGN
832020	300 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
834001	2 EA	FURNISH AND INSTALL CONNECTOR KIT - TYPE 1
834002	2 EA	FURNISH AND INSTALL CONNECTOR KIT - TYPE 2
860272	16 EA	FURNISH AND INSTALL 12 INCH PEDESTRIAN SIGNAL HEAD SECTION
861107	600 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	600 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
868003	2 EA	FURNISH AND INSTALL 10 FOOT BREAKAWAY PEDESTAL POLE
870163	40 LF	FURNISH AND INSTALL 3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
877001	5 EA	FURNISH AND INSTALL GROUND ROD 3/4 INCH DIAMETER X 10 FOOT LENGTH

C. MATERIAL TO BE REMOVED AND RETURNED TO THE STATE HIGHWAY ADMINISTRATION

ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

Phase Chart

	1	2	3	4	5	6	7	8	9-12	13-16
Phase 2 & 6	G	G	G	G	R	R	R	R	WK	DW
Ped. Clear	G	G	G	G	R	R	R	R	FL/DW	DW
2 & 6 Change	Y	Y	Y	Y	R	R	R	R	DW	DW
Phase 4 & 8	R	R	R	R	G	G	G	G	DW	WK
Ped. Clear	R	R	R	R	G	G	G	G	DW	FL/DW
4 & 8 Change	R	R	R	R	Y	Y	Y	Y	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	DARK	DARK



- A-D } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- E-L } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- a BARE COPPER WIRE (NO. 6 A.W.G.)
- + GROUND ROD

CENTURY ENGINEERING, INC.  
CONSULTING ENGINEERS - PLANNERS  
32 WEST ROAD  
TOWSON, MARYLAND 21204

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
GENERAL INFORMATION  
MD 132 @ PARKE STREET

DRAWN BY: R.T.	F.A.P. NO. M-7104-01	TS NO. 1172 C	SHEET NO.
CHECKED BY: W.R.	S.A.P. NO. H-700-001-485	T.I.M.S. NO. E086	OF
SCALE: NONE	COUNTY: HARFORD	LOG MILE: 12013201.72	
DATE: 6/74			